

In the Abstract:

Please replace the "Abstract" section with the following amended paragraph as follows:

ABSTRACT OF THE DISCLOSURE

A method and apparatus for detecting a predetermined condition of a panel, by: transmitting a cyclically-repeating energy wave through the material (41) of the panel from a first location (43a) to a second location (43b); measuring the transit time of the cyclically-repeating energy wave from the first location to the second location; and utilizing the measured transit time to detect the predetermined condition ~~of the panel~~. ~~Examples are described wherein the condition to be detected is: a~~ including the force on, the temperature of, a deformation in, the fatigue condition of, or a fracture in, ~~a structural panel;~~ the presence of a force applied to, water on, or a breakage in, ~~a window of the panel; and the presence of an object on a floor panel.~~